aqua science engineers inc.

May 16, 2005

QUARTERLY GROUNDWATER MONITORING REPORT
MARCH 2005 GROUNDWATER SAMPLING
ASE JOB #3882
At
McLeod Properties, Former Budway Trucking
1015 Chesley Avenue
Richmond, California

RWQCB File No. 07-0835 (BGS)

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
208 West El Pintado Road
Danville, CA 94526
(925) 820-9391

1.0 INTRODUCTION

Site Location (Site), See Figure 1
McLeod Property,
Former Budway Trucking
1015 Chesley Avenue
Richmond, CA 94801

Responsible Party
McLeod Properties Richmond, LLC.
Mr. Vincent McLeod
10315 Strong Avenue
Whittier, CA 90601

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
208 W. El Pintado
Danville, CA 94526
Contact: Robert E. Kitay, R.G., R.E.A., Senior Geologist
(925) 820-9391

Agency Review
California Regional Water Quality Control Board (RWQCB)
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612
Contact: Ms. Barbara Sieminski

Contra Costa County Health Services Department (CCCHSD)
4333 Pacheco Blvd
Martinez, CA 94553-2295
Contact: Mr. Paul Andrews

This report presents the methods and results of the March 2005 quarterly groundwater sampling at the McLeod Property, Former Budway Trucking facility located at 1015 Chesley Drive in Richmond, California (Figure 1). This sampling was conducted as required by the RWQCB. ASE has prepared this report on behalf of Mr. Vince McLeod of McLeod Properties Richmond, LLC, the property owner.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On March 25, 2005, ASE measured the depth to water in all four site groundwater monitoring wells using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons or sheen were observed in any of the site monitoring wells. Groundwater elevation data is presented as Table One.

A groundwater potentiometric surface map is presented as Figure 2. The groundwater flow direction is to the west-southwest with a gradient of approximately 0.002 ft/ft this quarter. The gradient and flow direction are consistent with previous findings.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On March 25, 2005, ASE collected groundwater samples from all four site monitoring wells for laboratory analysis. Prior to sampling, each monitoring well was purged of three well casing volumes of groundwater using a disposable polyethylene bailer. The parameters pH, temperature, and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Groundwater samples were collected from each well using the same polyethylene bailers.

Samples were decanted from the bottom of the bailers through low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid, and capped without headspace. Additional samples were then decanted from the bottom of the bailers into amber glass bottles. All of the samples were labeled and placed in a cooler with wet ice for transport to McCampbell Analytical, Inc. (CA DHS ELAP #1644) under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A.

Well sampling purge water was contained in sealed and labeled 55-gallon steel drums and left on-site for temporary storage.

The groundwater samples were analyzed by McCampbell Analytical, Inc. for total petroleum hydrocarbons as gasoline (TPH-G) and total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 8015, and benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8021B. The

analytical results are summarized in Table Two. The certified analytical report and chain of custody are presented in Appendix B.

4.0 CONCLUSIONS

No TPH-G, BTEX or MTBE concentrations were detected in any of the groundwater samples collected this quarter. Monitoring wells MW-3 and MW-4 contained 85 parts per billion (ppb) and 95 ppb TPH-D, respectively. None of the hydrocarbon concentrations in any of the groundwater samples analyzed exceeded California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) environmental screening levels (ESLs) for sites where groundwater is not a current or potential source of drinking water.

5.0 RECOMENDATIONS

ASE recommends that this case be reviewed for closure by the RWQCB. ASE will suspend any further quarterly sampling events until the RWQCB provides their ruling on the request for case closure.

6.0 REPORT LIMITATIONS

The results presented in this report represent conditions at the time of the groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

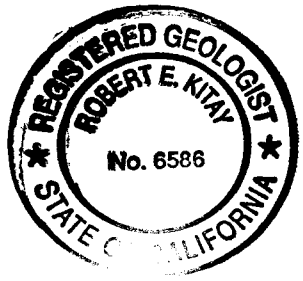
It does not fully characterize the site for contamination resulting from unknown sources, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services to McLeod Properties, LLC., and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

David Allen, R.E.A.
Senior Project Manager

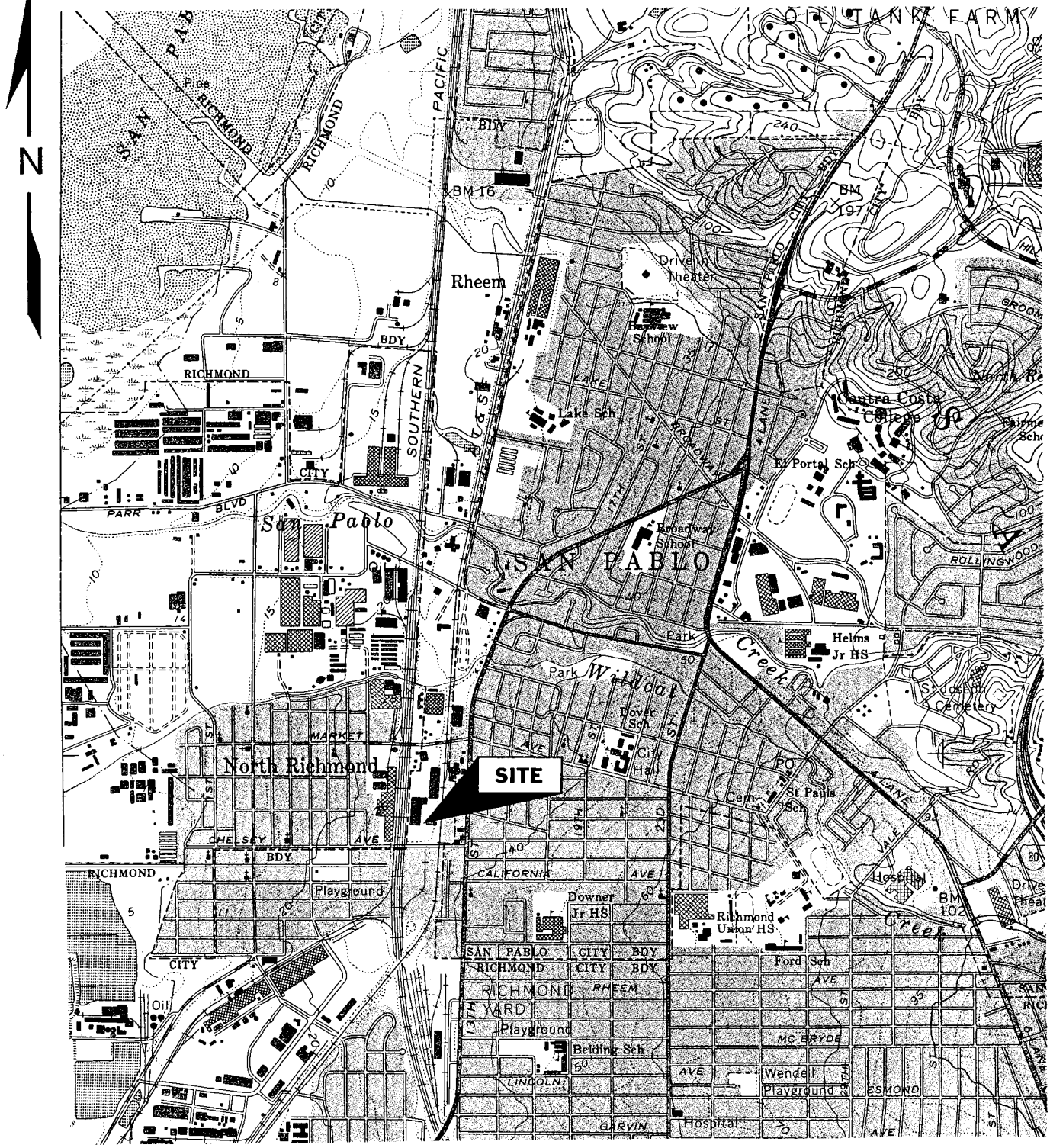


Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: Tables One and Two
Figures 1 and 2
Appendices A and B

Cc: Ms. Barbara Sieminski (RWQCB), Mr. Paul Andrews (CCCHSD)

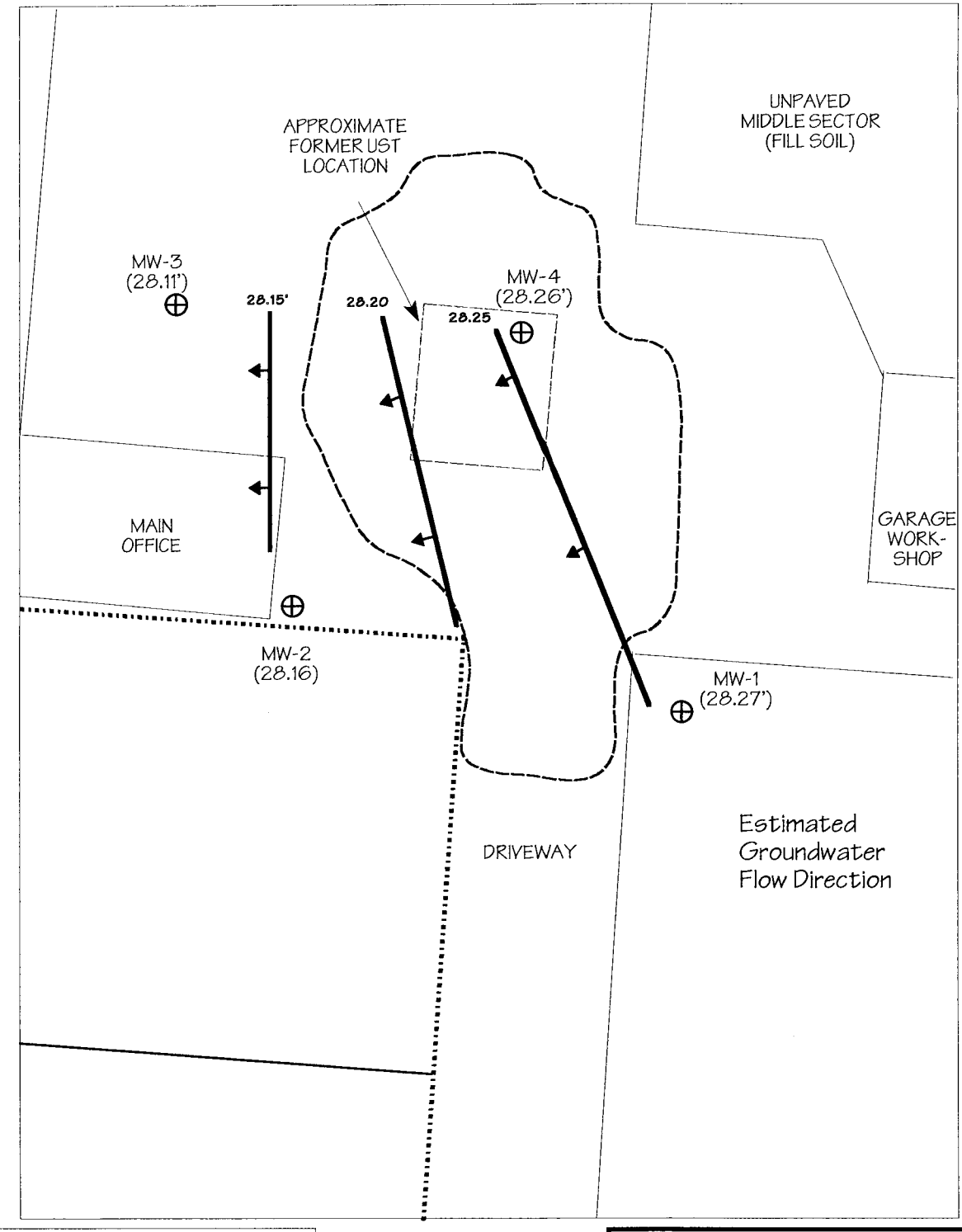
FIGURES



SITE LOCATION MAP

Former Budway Trucking
1015 Chesley Avenue
Richmond, CA

Aqua Science Engineers | Figure 1



LEGEND

Approximate Excavation Boundary

MW-1 (28.27') — Monitoring Well Location with Groundwater Elevation (in feet above msl)

Potentiometric Surface Contour (Arrow Indicates Groundwater Flow Direction)

Potentiometric Surface Contour Map March 25, 2005

McLeod Propety
Former Budway Trucking
1015 Chesley Avenue
Richmond, California

AQUA SCIENCE ENGINEERS, INC. | Figure 2

TABLES

TABLE ONE

Groundwater Elevation Data
McLeod Property
Former Budway Trucking , Richmond, California

Well ID	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation (msl)
MW-1	6/29/04	35.48	9.86	25.62
	9/13/04		10.20	25.28
	12/3/04		9.17	26.31
	3/25/05		7.21	28.27
MW-2	6/29/04	31.96	6.74	25.22
	9/13/04		7.13	24.83
	12/3/04		6.02	25.94
	3/25/05		3.80	28.16
MW-3	6/29/04	32.03	6.81	25.22
	9/13/04		7.19	24.84
	12/3/04		6.09	25.94
	3/25/05		3.92	28.11
MW-4	6/29/04	31.16	5.65	25.51
	9/13/04		5.98	25.18
	12/3/04		4.92	26.24
	3/25/05		2.90	28.26

Note:
Most recent data is in BOLD.

TABLE TWO

Summary of Analytical Results for GROUNDWATER
McLeod Property
Former Budway Trucking, Richmond, California
All results are in parts per billion (ppb)

Well ID & Date Sampled	TPH-D	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1							
6/29/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
9/13/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/3/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
3/25/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-2							
6/29/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
9/13/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/3/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
3/25/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-3							
6/29/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
9/13/04	100	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/3/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
3/25/05	85	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-4							
6/29/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
9/13/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/3/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
3/25/05	95	<50	<0.5	<0.5	<0.5	<0.5	<5.0
ESL	100	100	1	40	30	13	5

Notes:

ESL = Environmental Screening Levels presented in the "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region dated July 2003

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory detection limit.

APPENDIX A

Well Sampling Field Logs

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WELL SAMPLING FIELD LOG

Project Name and Address: McLeod
Job #: 3882 Date of sampling: 3/25/05
Well Name: MW-1 Sampled by: DA
Total depth of well (feet): 24.2 Well diameter (inches): 2
Depth to water before sampling (feet): 7.21
Thickness of floating product if any: 0
Depth of well casing in water (feet): 16.99
Number of gallons per well casing volume (gallons): 2.72
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 8.1
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1035 Time Evacuation Finished: 1050
Approximate volume of groundwater purged: 8.1 GAL.
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1055
Depth to water at time of sampling: 7.3
Percent recovery at time of sampling: 99%
Samples collected with: NEW DISPOSABLE BAILER
Sample color: CLEAR Odor: NONE
Description of sediment in sample: NONE

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	69.8	6.6	605
2	69.6	6.72	620
3	69.6	6.68	650
		6.68	650

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-1	3	40 ml VOA	✓	✓	TPH-G / MBTEX
"	1	1-Liter		✓	TPH-D

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WELL SAMPLING FIELD LOG

Project Name and Address: McLeod
Job #: 3882 Date of sampling: 3-25-05
Well Name: MW-2 Sampled by: DA
Total depth of well (feet): 20 Well diameter (inches): 2
Depth to water before sampling (feet): 3.80
Thickness of floating product if any: 0
Depth of well casing in water (feet): 16.20
Number of gallons per well casing volume (gallons): 2.72
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 8.2
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1100 Time Evacuation Finished: 1110
Approximate volume of groundwater purged: 8.2
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1115
Depth to water at time of sampling: 3.85
Percent recovery at time of sampling: 99%
Samples collected with: NEW DISPOSABLE BAILER
Sample color: CLEAR Odor: NONE
Description of sediment in sample: NONE

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	69.4	7.05	640
2	69.6	7.10	650
3	69.4	7.05	646

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-2	3	40ml VOA	✓	✓	TPH-G/MBTEX
"	1	1-liter		✓	TPH-D

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WELL SAMPLING FIELD LOG

Project Name and Address: McLeod
Job #: 3882 Date of sampling: 3.25.05
Well Name: MW-3 Sampled by: DA
Total depth of well (feet): 19.9 Well diameter (inches): 2
Depth to water before sampling (feet): 3.92
Thickness of floating product if any: ~~0~~
Depth of well casing in water (feet): 15.98
Number of gallons per well casing volume (gallons): 2.5
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 7.5
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1125 Time Evacuation Finished: 1140
Approximate volume of groundwater purged: 7.5 GAL.
Did the well go dry?: NO After how many gallons: -
Time samples were collected: 1145
Depth to water at time of sampling: 3.98
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: CLEAR Odor: NONE
Description of sediment in sample: NONE

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	71.0	6.82	508
2	71.4	6.86	504
3	71.2	6.84	520

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-3	3	40 ml VOA	✓	✓	TPH-G / MBTEx
"	1	1-liter		✓	TPH-D

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WELL SAMPLING FIELD LOG

Project Name and Address: McLeod
Job #: 3882 Date of sampling: 3.25.05
Well Name: MW-4 Sampled by: BA
Total depth of well (feet): 20 Well diameter (inches): 2
Depth to water before sampling (feet): 2.90
Thickness of floating product if any: 0
Depth of well casing in water (feet): 17.1
Number of gallons per well casing volume (gallons): 2.73
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 8.2
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1150 Time Evacuation Finished: 1205
Approximate volume of groundwater purged: 8.2 GAL
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1210
Depth to water at time of sampling: 2.95
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: CLEAR Odor: NONE
Description of sediment in sample: NONE

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	70.5	7.6	640
2	71.0	7.8	642
3	71.2	7.6	638

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	3	40 ml - VOA	✓	✓	TPH-G/MBTEX
"	1	1-Liter		✓	TPH-D

APPENDIX B

Certified Laboratory Analytical Report
and
Chain of Custody Documentation

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc. 208 West El Pintado Road Danville, CA 94526	Client Project ID: McLeod Properties	Date Sampled: 03/25/05
		Date Received: 03/25/05
	Client Contact: Dave Allen	Date Reported: 03/30/05
	Client P.O.:	Date Completed: 03/30/05

WorkOrder: 0503448

March 30, 2005

Dear Dave:

Enclosed are:

1). the results of **4** analyzed samples from your **McLeod Properties project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: McLeod Properties	Date Sampled: 03/25/05
208 West El Pintado Road		Date Received: 03/25/05
Danville, CA 94526	Client Contact: Dave Allen	Date Extracted: 03/27/05
	Client P.O.:	Date Analyzed: 03/27/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0503448

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	110
002A	MW-2	W	ND,i	ND	ND	ND	ND	ND	1	114
003A	MW-3	W	ND	ND	ND	ND	ND	ND	1	117
004A	MW-4	W	ND	ND	ND	ND	ND	ND	1	115
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: McLeod Properties	Date Sampled: 03/25/05
208 West El Pintado Road		Date Received: 03/25/05
Danville, CA 94526	Client Contact: Dave Allen	Date Extracted: 03/25/05
	Client P.O.:	Date Analyzed: 03/25/05

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0503448

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0503448-001B	MW-1	W	ND	1	91
0503448-002B	MW-2	W	ND,i	1	90
0503448-003B	MW-3	W	85,b	1	89
0503448-004B	MW-4	W	95,b	1	91

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0503448

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 15579** **Spiked Sample ID: 0503436-001A**

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	93.2	97.1	4.06	92.5	93.3	0.893	70 - 130	70 - 130
MTBE	ND	10	92.8	98.4	5.79	97.8	98.5	0.755	70 - 130	70 - 130
Benzene	ND	10	102	108	5.88	108	107	0.416	70 - 130	70 - 130
Toluene	ND	10	104	107	3.13	100	102	1.55	70 - 130	70 - 130
Ethylbenzene	ND	10	104	106	2.28	103	106	2.85	70 - 130	70 - 130
Xylenes	ND	30	91.3	95.3	4.29	91	91.3	0.366	70 - 130	70 - 130
%SS:	108	10	107	112	4.02	109	110	0.328	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 15579 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0503448-001A	3/25/05 10:55 AM	3/27/05 12:14 AM	3/27/05 12:14 AM	0503448-002A	3/25/05 11:15 AM	3/27/05 12:44 AM	3/27/05 12:44 AM
0503448-003A	3/25/05 11:45 AM	3/27/05 1:13 AM	3/27/05 1:13 AM	0503448-004A	3/25/05 12:10 PM	3/27/05 1:43 AM	3/27/05 1:43 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0503448

EPA Method: SW8015C	Extraction: SW3510C				BatchID: 15580			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	99.6	107	7.12	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	88	89	1.45	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 15580 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0503448-001B	3/25/05 10:55 AM	3/25/05 1:58 PM	3/25/05 6:44 PM	0503448-002B	3/25/05 11:15 AM	3/25/05 1:58 PM	3/25/05 7:50 PM
0503448-003B	3/25/05 11:45 AM	3/25/05 1:58 PM	3/25/05 8:55 PM	0503448-004B	3/25/05 12:10 PM	3/25/05 1:58 PM	3/25/05 10:01 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0503448 **ClientID: ASED**

Report to:
Dave Allen
Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526
TEL: (925) 820-9391
FAX: (925) 837-4853
ProjectNo: McLeod Properties
PO:

Bill to:
Accounts Payable
Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526

Requested TAT: 5 days

Date Received: 03/25/2005
Date Printed: 03/25/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0503448-001	MW-1	Water	3/25/05 10:55:00	☐	A	B													
0503448-002	MW-2	Water	3/25/05 11:15:00	☐	A	B													
0503448-003	MW-3	Water	3/25/05 11:45:00	☐	A	B													
0503448-004	MW-4	Water	3/25/05 12:10:00	☐	A	B													

Test Legend:

1	G-MBTEX_W	2	TPH(D)_W	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

0503448

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: DAVE ALLEN Bill To:

Company: AQUA SCIENCE

E-Mail:

Tele: ( ) Fax: ( )

Project #: Project Name: McLeod Properties

Project Location:

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	BTEX only (EPA 602/8020)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520/1664 (E/F/BF)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010/8021 (Halocarbons)	EPA 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141 (Np Pesticides)	EPA 8150 / 8151 (Acidic Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525 / 625 / 8270 (SVOCs)	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	Other			Comments
1 MW-1		3/25/05	1055	4											X		X																	Filter Samples for Metals analysis: Yes / No
1 MW-2		"	1115	4											X		X																	
1 MW-3		"	1145	4											X		X																	
1 MW-4		"	1210	4											X		X																	

Relinquished By:	Date:	Time:	Received By:
	3/25/05	1340	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ____
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓		pH<2	

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc. 208 West El Pintado Road Danville, CA 94526	Client Project ID: McLeod Properties	Date Sampled: 03/25/05
		Date Received: 03/25/05
	Client Contact: Dave Allen	Date Reported: 03/30/05
	Client P.O.:	Date Completed: 03/30/05

WorkOrder: 0503448

March 30, 2005

Dear Dave:

Enclosed are:

1). the results of **4** analyzed samples from your **McLeod Properties project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: McLeod Properties	Date Sampled: 03/25/05
		Date Received: 03/25/05
208 West El Pintado Road	Client Contact: Dave Allen	Date Extracted: 03/27/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 03/27/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0503448

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	110
002A	MW-2	W	ND,i	ND	ND	ND	ND	ND	1	114
003A	MW-3	W	ND	ND	ND	ND	ND	ND	1	117
004A	MW-4	W	ND	ND	ND	ND	ND	ND	1	115
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc. 208 West El Pintado Road Danville, CA 94526	Client Project ID: McLeod Properties	Date Sampled: 03/25/05
		Date Received: 03/25/05
	Client Contact: Dave Allen	Date Extracted: 03/25/05
	Client P.O.:	Date Analyzed: 03/25/05

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0503448

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0503448-001B	MW-1	W	ND	1	91
0503448-002B	MW-2	W	ND,i	1	90
0503448-003B	MW-3	W	85,b	1	89
0503448-004B	MW-4	W	95,b	1	91

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0503448

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 15579	Spiked Sample ID: 0503436-001A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	60	93.2	97.1	4.06	92.5	93.3	0.893	70 - 130	70 - 130
MTBE	ND	10	92.8	98.4	5.79	97.8	98.5	0.755	70 - 130	70 - 130
Benzene	ND	10	102	108	5.88	108	107	0.416	70 - 130	70 - 130
Toluene	ND	10	104	107	3.13	100	102	1.55	70 - 130	70 - 130
Ethylbenzene	ND	10	104	106	2.28	103	106	2.85	70 - 130	70 - 130
Xylenes	ND	30	91.3	95.3	4.29	91	91.3	0.366	70 - 130	70 - 130
%SS:	108	10	107	112	4.02	109	110	0.328	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 15579 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0503448-001A	3/25/05 10:55 AM	3/27/05 12:14 AM	3/27/05 12:14 AM	0503448-002A	3/25/05 11:15 AM	3/27/05 12:44 AM	3/27/05 12:44 AM
0503448-003A	3/25/05 11:45 AM	3/27/05 1:13 AM	3/27/05 1:13 AM	0503448-004A	3/25/05 12:10 PM	3/27/05 1:43 AM	3/27/05 1:43 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0503448

EPA Method: SW8015C	Extraction: SW3510C	BatchID: 15580	Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	99.6	107	7.12	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	88	89	1.45	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 15580 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0503448-001B	3/25/05 10:55 AM	3/25/05 1:58 PM	3/25/05 6:44 PM	0503448-002B	3/25/05 11:15 AM	3/25/05 1:58 PM	3/25/05 7:50 PM
0503448-003B	3/25/05 11:45 AM	3/25/05 1:58 PM	3/25/05 8:55 PM	0503448-004B	3/25/05 12:10 PM	3/25/05 1:58 PM	3/25/05 10:01 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0503448 **ClientID: ASED**

Report to:
Dave Allen
Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526
TEL: (925) 820-9391
FAX: (925) 837-4853
ProjectNo: McLeod Properties
PO:

Bill to:
Accounts Payable
Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526

Requested TAT: 5 days

Date Received: **03/25/2005**
Date Printed: **03/25/2005**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0503448-001	MW-1	Water	3/25/05 10:55:00	☐	A	B													
0503448-002	MW-2	Water	3/25/05 11:15:00	☐	A	B													
0503448-003	MW-3	Water	3/25/05 11:45:00	☐	A	B													
0503448-004	MW-4	Water	3/25/05 12:10:00	☐	A	B													

Test Legend:

1	G-MBTEX_W	2	TPH(D)_W	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

0503448

McCAMPBELL ANALYTICAL, INC.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: DAVE ALLEN Bill To:

Company: AQUA SCIENCE

E-Mail:

Tele: ( ) Fax: ( )

Project #: Project Name: McLeod Properties

Project Location:

Sampler Signature:

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	BTEX only (EPA 602/8020)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520/1664 (E/F/BF)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010/8021 (Halocarbons)	EPA 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141 (Np Pesticides)	EPA 8150 / 8151 (Acidic Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525 / 625 / 8270 (SVOCs)	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	Other			Comments
1	MW-1		3/25/05	1055	4											X		X																		Filter Samples for Metals analysis: Yes / No
2	MW-2		↓	1115	4											X		X																		
3	MW-3		↓	1145	4											X		X																		
4	MW-4		↓	1210	4											X		X																		

Relinquished By:	Date:	Time:	Received By:
	3/25/05	1340	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION	✓		pH<2	

COMMENTS: